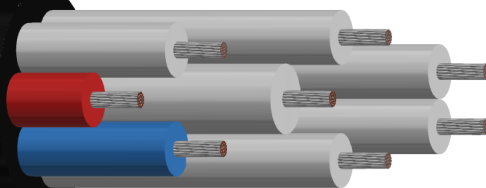




GLgGb/c-K FLEX 450/750 V, GLggGb/c-K FLEX 450/750 V

ROGUM KABLE SP. Z O.O.

**Power cables insulated and sheathed in flexible polymeric material for rolling stock.
Multicore cables for rated voltage of 750 V.**

Standard: ZN-FKR-024:2012/A1:2016

Related standards: PN-EN 60228:2007; PN-EN 50363-2-1:2008; PN-89/E-29100.

CONSTRUCTION

Conductor Stranded tin plated copper wires, class 5 (Lg) or class 6 (Lgg)

Insulation Specialized copolymer compound, heat resistant with increased flexibility.

Color of insulation
2-core: white, black
3-core: white, black, red
4-core: white, black, red, blue
more than 4 cores: meter conductor - red, directional conductor - blue, other conductors - uniform color white or alternately black and white

Tire Specialized polymer compound with increased flexibility.

Tire color Black

CHARACTERISTIC

Rated voltage 450/750 V

Test voltage 2,5 kV

Working temperature range from - 50 °C to + 90 °C

Minimum installation temperature - 40 °C

The minimum bending radius not less than: 5 D

Example of cable marking **ROGUM KABLE sp. z o.o. GLgGb/c-K FLEX 450/750 V 5x6 mm² ID: 2081725**
Power cable with cl. 5 copper conductors (Lg), with heat-resistant insulation (Gc) and flame-retardant sheath (G), for rolling stock (K). FLEX- increased flexibility.

APPLICATION

Designed for permanent installation (GLgGb/c-K) and mobile connections (GLggGb/c-K) in railroad rolling stock, including areas exposed to weather conditions and lubricants.

CERTIFICATE AND APPROVALS

ADDITIONAL INFORMATION

At the client's request, it is possible to:

- change the color of the insulation,
- manufacture of non-standard conduit with other cross sections at the request of the customer.

In matters relating to detailed technical data, please contact our Technical Advisor: doradztwotechniczne@rogum.com.pl

CARD NUMBER 38 **RELEASE DATE** 28-06-2023

CONSTRUCTION						
GLGb/c-K FLEX 450/750 V						
Number of conductors	Cross-section of core	Max diameter of the wires in the core	Nominal thickness of the insulation	Nominal thickness of the sheath	Max cable diameter	Approximate weight of the cable
n	mm ²	mm	mm	mm	mm	kg/km
2	1,5	0,26	0,8	1,6	11,1	85
	2,5	0,26	0,8	1,6	12,0	112
	4	0,31	1,0	2,0	14,9	179
	6	0,31	1,0	2,0	17,3	242
3	1,5	0,26	0,8	1,6	11,7	106
	2,5	0,26	0,8	1,6	12,7	144
	4	0,31	1,0	2,0	15,7	232
	6	0,31	1,0	2,0	18,3	320
4	1,5	0,26	0,8	1,6	12,7	133
	2,5	0,26	0,8	2,0	14,7	203
	4	0,31	1,0	2,0	17,0	297
	6	0,31	1,0	2,0	20,0	414
5	1,5	0,26	0,8	1,6	13,7	160
	2,5	0,26	0,8	2,0	15,8	244
	4	0,31	1,0	2,0	18,4	360
	6	0,31	1,0	2,2	22,2	522
6	1,5	0,26	0,8	2,0	15,8	207
	2,5	0,26	0,8	2,0	17,0	285
	4	0,31	1,0	2,0	20,0	438
	6	0,31	1,0	2,2	24,0	616
7	1,5	0,26	0,8	2,0	15,8	216
	2,5	0,26	0,8	2,0	17,0	302
	4	0,31	1,0	2,0	20,0	466
	6	0,31	1,0	2,2	24,0	656
37	2,5	0,26	0,8	2,8	35,2	1385

PARAMETERS	
Cross-section of core	The highest conductor resistance at 20 °C
mm ²	Ω/km
1,5	13,70
2,5	8,21
4	5,09
6	3,39
10	1,95
16	1,24